



24-244

TO: Clearing Member Firms
Chief Financial Officers
Back Office Managers
Margin Managers

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, August 22, 2024

To receive advanced notification of Performance Bond (margin) changes, through our free automated mailing list, go to

<http://www.cmegroup.com/newsletter/web2lead/web2sf-old.html>

and subscribe to the Performance Bond Rates Advisory Notice listserver.

As per the normal review of market volatility to ensure adequate collateral coverage, the Chicago Mercantile Exchange Inc., Clearing House Risk Management staff approved the performance bond requirements for the following products listed below. Please email any questions to Clearing.RiskManagement@cmegroup.com.

The rates will be effective after the close of business on

Friday, August 23, 2024.

Current rates as of:

Thursday, August 22, 2024.

In this current advisory there are changes to the Short Option Minimum and/or the Volatility Scan Range. Below are descriptions of what each change affects:

The Short Option Minimum (SOM) is a charge that is applied only to portfolios concentrated in short options that do not generate a minimum margin requirement level when margins are calculated using the normal 16 SPAN scenarios. The SOM charge per short calls or short puts is a percentage of the outright margin on one underlying futures contract.

The volatility scan range is the change in implied volatility that is used in each of SPAN's 16 scenarios.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

CRUDE OIL SPREADS - Outright Rates

WTI HOUSTON VS WTI MID TRADE SYNTH (LHS)

LHS	Non-HRP	Mnth 1	New	USD			650	650
LHS	HRP	Mnth 1	New	USD			715	650
LHS	Non-HRP	Mnths 3-4	New	USD			350	350
LHS	HRP	Mnths 3-4	New	USD			385	350
LHS	Non-HRP	Mnths 5-7	New	USD			300	300
LHS	HRP	Mnths 5-7	New	USD			330	300
LHS	Non-HRP	Mnths 8-15	New	USD			275	275
LHS	HRP	Mnths 8-15	New	USD			303	275
LHS	Non-HRP	Mnths 16+	New	USD			275	275
LHS	HRP	Mnths 16+	New	USD			303	275
LHS	Non-HRP	Mnth 2	New	USD			400	400
LHS	HRP	Mnth 2	New	USD			440	400

EQUITY INDEX - Outright Rates

ADJ INT RATE S&P500 MARKER (ASPM)

ASPM	Non-HRP		New	USD			13,800	13,800
ASPM	HRP		New	USD			15,180	13,800

AIR S&P 500 TOTAL RETURN (SOFR) FUT (ASPR)

ASPR	Non-HRP		New	USD			13,800	13,800
ASPR	HRP		New	USD			15,180	13,800

BTIC ON ADJ IR S&P 500 TR SOFR (ASPT)

ASPT	Non-HRP		New	USD			13,800	13,800
ASPT	HRP		New	USD			15,180	13,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

METALS - Outright Rates

ALUMINIUM EURO PREM DUTY-PAID FUT (EDP)

EDP	Non-HRP	Month(s) 01	Decrease	USD	800	800	700	700
EDP	HRP	Month(s) 01	Decrease	USD	880	800	770	700
EDP	Non-HRP	Month(s) 02	Decrease	USD	800	800	700	700
EDP	HRP	Month(s) 02	Decrease	USD	880	800	770	700
EDP	Non-HRP	Month(s) 03-09	Decrease	USD	800	800	700	700
EDP	HRP	Month(s) 03-09	Decrease	USD	880	800	770	700
EDP	Non-HRP	Month(s) 10+	Decrease	USD	800	800	700	700
EDP	HRP	Month(s) 10+	Decrease	USD	880	800	770	700

COBALT HYD CIF CHINA (FSTMKT) FUT (COH)

COH	Non-HRP	Mth 1	Decrease	USD	2,500	2,500	2,200	2,200
COH	HRP	Mth 1	Decrease	USD	2,750	2,500	2,420	2,200
COH	Non-HRP	Mths 2-3	Decrease	USD	2,500	2,500	2,200	2,200
COH	HRP	Mths 2-3	Decrease	USD	2,750	2,500	2,420	2,200
COH	Non-HRP	Mths 4-6	Decrease	USD	2,500	2,500	2,200	2,200
COH	HRP	Mths 4-6	Decrease	USD	2,750	2,500	2,420	2,200
COH	Non-HRP	Mths 7+	New	USD			2,000	2,000
COH	HRP	Mths 7+	New	USD			2,200	2,000

COBALT METAL (FASTMARKETS) FUT (COB)

COB	Non-HRP	Mth 1	Decrease	USD	2,500	2,500	2,200	2,200
COB	HRP	Mth 1	Decrease	USD	2,750	2,500	2,420	2,200
COB	Non-HRP	Mths 2-3	Decrease	USD	2,500	2,500	2,200	2,200
COB	HRP	Mths 2-3	Decrease	USD	2,750	2,500	2,420	2,200
COB	Non-HRP	Mths 4-6	Decrease	USD	2,500	2,500	2,200	2,200
COB	HRP	Mths 4-6	Decrease	USD	2,750	2,500	2,420	2,200
COB	Non-HRP	Mths 7+	Decrease	USD	2,500	2,500	2,200	2,200
COB	HRP	Mths 7+	Decrease	USD	2,750	2,500	2,420	2,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

COMEX 100 GOLD FUTURES (GC)

GC	Non-HRP	Mnth1	Increase	USD	10,000	10,000	10,500	10,500
GC	HRP	Mnth1	Increase	USD	11,000	10,000	11,550	10,500
GC	Non-HRP	Mnth2	Increase	USD	10,000	10,000	10,500	10,500
GC	HRP	Mnth2	Increase	USD	11,000	10,000	11,550	10,500
GC	Non-HRP	Mnth3	Increase	USD	10,000	10,000	10,500	10,500
GC	HRP	Mnth3	Increase	USD	11,000	10,000	11,550	10,500
GC	Non-HRP	Mnth4	Increase	USD	10,000	10,000	10,500	10,500
GC	HRP	Mnth4	Increase	USD	11,000	10,000	11,550	10,500
GC	Non-HRP	Mnth5	Increase	USD	10,000	10,000	10,500	10,500
GC	HRP	Mnth5	Increase	USD	11,000	10,000	11,550	10,500
GC	Non-HRP	Mnth6	Increase	USD	10,000	10,000	10,500	10,500
GC	HRP	Mnth6	Increase	USD	11,000	10,000	11,550	10,500
GC	Non-HRP	Mnth7	Increase	USD	10,000	10,000	10,500	10,500
GC	HRP	Mnth7	Increase	USD	11,000	10,000	11,550	10,500
GC	Non-HRP	Mnth8+	Increase	USD	10,000	10,000	10,500	10,500
GC	HRP	Mnth8+	Increase	USD	11,000	10,000	11,550	10,500

COMEX 100 GOLD TRADE AT SETTLEMENT (GCT)

GCT	Non-HRP	Mnth1	Increase	USD	10,000	10,000	10,500	10,500
GCT	HRP	Mnth1	Increase	USD	11,000	10,000	11,550	10,500
GCT	Non-HRP	Mnth2	Increase	USD	10,000	10,000	10,500	10,500
GCT	HRP	Mnth2	Increase	USD	11,000	10,000	11,550	10,500
GCT	Non-HRP	Mnth3	Increase	USD	10,000	10,000	10,500	10,500
GCT	HRP	Mnth3	Increase	USD	11,000	10,000	11,550	10,500
GCT	Non-HRP	Mnth4	Increase	USD	10,000	10,000	10,500	10,500
GCT	HRP	Mnth4	Increase	USD	11,000	10,000	11,550	10,500
GCT	Non-HRP	Mnth5	Increase	USD	10,000	10,000	10,500	10,500
GCT	HRP	Mnth5	Increase	USD	11,000	10,000	11,550	10,500
GCT	Non-HRP	Mnth6	Increase	USD	10,000	10,000	10,500	10,500
GCT	HRP	Mnth6	Increase	USD	11,000	10,000	11,550	10,500
GCT	Non-HRP	Mnth7	Increase	USD	10,000	10,000	10,500	10,500
GCT	HRP	Mnth7	Increase	USD	11,000	10,000	11,550	10,500
GCT	Non-HRP	Mnth8+	Increase	USD	10,000	10,000	10,500	10,500
GCT	HRP	Mnth8+	Increase	USD	11,000	10,000	11,550	10,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COMEX 5000 SILVER FUTURES (SI)								
SI	Non-HRP	Mnth1	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth1	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth2	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth2	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth3	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth3	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth4	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth4	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth5	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth5	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth6	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth6	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth7	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth7	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth8	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth8	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth9	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth9	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth10	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth10	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth11	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth11	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth12	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth12	Decrease	USD	12,650	11,500	11,550	10,500
SI	Non-HRP	Mnth13+	Decrease	USD	11,500	11,500	10,500	10,500
SI	HRP	Mnth13+	Decrease	USD	12,650	11,500	11,550	10,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COMEX 5000 SILVER TRADE AT SETTLE (SIT)								
SIT	Non-HRP	Mnth1	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth1	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth2	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth2	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth3	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth3	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth4	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth4	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth5	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth5	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth6	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth6	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth7	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth7	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth8	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth8	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth9	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth9	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth10	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth10	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth11	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth11	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth12	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth12	Decrease	USD	12,650	11,500	11,550	10,500
SIT	Non-HRP	Mnth13+	Decrease	USD	11,500	11,500	10,500	10,500
SIT	HRP	Mnth13+	Decrease	USD	12,650	11,500	11,550	10,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COMEX MINY SILVER FUTURES (QI)								
QI	Non-HRP	Mnth1	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth1	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth2	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth2	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth3	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth3	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth4	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth4	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth5	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth5	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth6	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth6	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth7	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth7	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth8	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth8	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth9	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth9	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth10	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth10	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth11	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth11	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth12	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth12	Decrease	USD	6,325	5,750	5,775	5,250
QI	Non-HRP	Mnth13+	Decrease	USD	5,750	5,750	5,250	5,250
QI	HRP	Mnth13+	Decrease	USD	6,325	5,750	5,775	5,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

E-MINI GOLD FUTURES (QO)

QO	Non-HRP	Mnth1	Increase	USD	5,000	5,000	5,250	5,250
QO	HRP	Mnth1	Increase	USD	5,500	5,000	5,775	5,250
QO	Non-HRP	Mnth2	Increase	USD	5,000	5,000	5,250	5,250
QO	HRP	Mnth2	Increase	USD	5,500	5,000	5,775	5,250
QO	Non-HRP	Mnth3	Increase	USD	5,000	5,000	5,250	5,250
QO	HRP	Mnth3	Increase	USD	5,500	5,000	5,775	5,250
QO	Non-HRP	Mnth4	Increase	USD	5,000	5,000	5,250	5,250
QO	HRP	Mnth4	Increase	USD	5,500	5,000	5,775	5,250
QO	Non-HRP	Mnth5	Increase	USD	5,000	5,000	5,250	5,250
QO	HRP	Mnth5	Increase	USD	5,500	5,000	5,775	5,250
QO	Non-HRP	Mnth6	Increase	USD	5,000	5,000	5,250	5,250
QO	HRP	Mnth6	Increase	USD	5,500	5,000	5,775	5,250
QO	Non-HRP	Mnth7	Increase	USD	5,000	5,000	5,250	5,250
QO	HRP	Mnth7	Increase	USD	5,500	5,000	5,775	5,250
QO	Non-HRP	Mnth8+	Increase	USD	5,000	5,000	5,250	5,250
QO	HRP	Mnth8+	Increase	USD	5,500	5,000	5,775	5,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
E-MINI SILVER FUTURES (6Q)								
6Q	Non-HRP	Mnth1	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth1	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth2	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth2	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth3	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth3	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth4	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth4	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth5	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth5	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth6	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth6	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth7	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth7	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth8	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth8	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth9	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth9	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth10	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth10	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth11	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth11	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth12	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth12	Decrease	USD	2,530	2,300	2,310	2,100
6Q	Non-HRP	Mnth13+	Decrease	USD	2,300	2,300	2,100	2,100
6Q	HRP	Mnth13+	Decrease	USD	2,530	2,300	2,310	2,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

GOLD LONDON TAM FIRST PM (GCD)

GCD	Non-HRP	Mnth1	Increase	USD	10,000	10,000	10,500	10,500
GCD	HRP	Mnth1	Increase	USD	11,000	10,000	11,550	10,500
GCD	Non-HRP	Mnth2	Increase	USD	10,000	10,000	10,500	10,500
GCD	HRP	Mnth2	Increase	USD	11,000	10,000	11,550	10,500
GCD	Non-HRP	Mnth3	Increase	USD	10,000	10,000	10,500	10,500
GCD	HRP	Mnth3	Increase	USD	11,000	10,000	11,550	10,500
GCD	Non-HRP	Mnth4	Increase	USD	10,000	10,000	10,500	10,500
GCD	HRP	Mnth4	Increase	USD	11,000	10,000	11,550	10,500
GCD	Non-HRP	Mnth5	Increase	USD	10,000	10,000	10,500	10,500
GCD	HRP	Mnth5	Increase	USD	11,000	10,000	11,550	10,500
GCD	Non-HRP	Mnth6	Increase	USD	10,000	10,000	10,500	10,500
GCD	HRP	Mnth6	Increase	USD	11,000	10,000	11,550	10,500
GCD	Non-HRP	Mnth7	Increase	USD	10,000	10,000	10,500	10,500
GCD	HRP	Mnth7	Increase	USD	11,000	10,000	11,550	10,500
GCD	Non-HRP	Mnth8+	Increase	USD	10,000	10,000	10,500	10,500
GCD	HRP	Mnth8+	Increase	USD	11,000	10,000	11,550	10,500

LITHIUM CARBONATE CIF CJK (FASTMARK (LTC))

LTC	Non-HRP	Mth 1	Decrease	USD	3,500	3,500	3,000	3,000
LTC	HRP	Mth 1	Decrease	USD	3,850	3,500	3,300	3,000
LTC	Non-HRP	Mths 2-3	Decrease	USD	3,500	3,500	3,000	3,000
LTC	HRP	Mths 2-3	Decrease	USD	3,850	3,500	3,300	3,000
LTC	Non-HRP	Mths 4-6	Decrease	USD	3,500	3,500	3,000	3,000
LTC	HRP	Mths 4-6	Decrease	USD	3,850	3,500	3,300	3,000
LTC	Non-HRP	Mths 7+	Decrease	USD	3,500	3,500	3,000	3,000
LTC	HRP	Mths 7+	Decrease	USD	3,850	3,500	3,300	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

MICRO GOLD FUTURES (MGC)

MGC	Non-HRP	Mnth1	Increase	USD	1,000	1,000	1,050	1,050
MGC	HRP	Mnth1	Increase	USD	1,100	1,000	1,155	1,050
MGC	Non-HRP	Mnth2	Increase	USD	1,000	1,000	1,050	1,050
MGC	HRP	Mnth2	Increase	USD	1,100	1,000	1,155	1,050
MGC	Non-HRP	Mnth3	Increase	USD	1,000	1,000	1,050	1,050
MGC	HRP	Mnth3	Increase	USD	1,100	1,000	1,155	1,050
MGC	Non-HRP	Mnth4	Increase	USD	1,000	1,000	1,050	1,050
MGC	HRP	Mnth4	Increase	USD	1,100	1,000	1,155	1,050
MGC	Non-HRP	Mnth5	Increase	USD	1,000	1,000	1,050	1,050
MGC	HRP	Mnth5	Increase	USD	1,100	1,000	1,155	1,050
MGC	Non-HRP	Mnth6	Increase	USD	1,000	1,000	1,050	1,050
MGC	HRP	Mnth6	Increase	USD	1,100	1,000	1,155	1,050
MGC	Non-HRP	Mnth7	Increase	USD	1,000	1,000	1,050	1,050
MGC	HRP	Mnth7	Increase	USD	1,100	1,000	1,155	1,050
MGC	Non-HRP	Mnth8+	Increase	USD	1,000	1,000	1,050	1,050
MGC	HRP	Mnth8+	Increase	USD	1,100	1,000	1,155	1,050

MICRO GOLD TAS (MGT)

MGT	Non-HRP	Mnth1	Increase	USD	1,000	1,000	1,050	1,050
MGT	HRP	Mnth1	Increase	USD	1,100	1,000	1,155	1,050
MGT	Non-HRP	Mnth2	Increase	USD	1,000	1,000	1,050	1,050
MGT	HRP	Mnth2	Increase	USD	1,100	1,000	1,155	1,050
MGT	Non-HRP	Mnth3	Increase	USD	1,000	1,000	1,050	1,050
MGT	HRP	Mnth3	Increase	USD	1,100	1,000	1,155	1,050
MGT	Non-HRP	Mnth4	Increase	USD	1,000	1,000	1,050	1,050
MGT	HRP	Mnth4	Increase	USD	1,100	1,000	1,155	1,050
MGT	Non-HRP	Mnth5	Increase	USD	1,000	1,000	1,050	1,050
MGT	HRP	Mnth5	Increase	USD	1,100	1,000	1,155	1,050
MGT	Non-HRP	Mnth6	Increase	USD	1,000	1,000	1,050	1,050
MGT	HRP	Mnth6	Increase	USD	1,100	1,000	1,155	1,050
MGT	Non-HRP	Mnth7	Increase	USD	1,000	1,000	1,050	1,050
MGT	HRP	Mnth7	Increase	USD	1,100	1,000	1,155	1,050
MGT	Non-HRP	Mnth8+	Increase	USD	1,000	1,000	1,050	1,050
MGT	HRP	Mnth8+	Increase	USD	1,100	1,000	1,155	1,050

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MICRO SILVER FUTURES (SIL)								
SIL	Non-HRP	Mnth1	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth1	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth2	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth2	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth3	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth3	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth4	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth4	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth5	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth5	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth6	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth6	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth7	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth7	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth8	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth8	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth9	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth9	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth10	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth10	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth11	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth11	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth12	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth12	Decrease	USD	2,530	2,300	2,310	2,100
SIL	Non-HRP	Mnth13+	Decrease	USD	2,300	2,300	2,100	2,100
SIL	HRP	Mnth13+	Decrease	USD	2,530	2,300	2,310	2,100
NORTH EURO HOT-ROLLED COIL STEEL (EHR)								
EHR	Non-HRP	Mths 1-4	Decrease	EUR	800	800	700	700
EHR	HRP	Mths 1-4	Decrease	EUR	880	800	770	700
EHR	Non-HRP	Mths 5+	Decrease	EUR	800	800	700	700
EHR	HRP	Mths 5+	Decrease	EUR	880	800	770	700
U.S. MIDWEST DOMESTIC HOT-ROLLED CO (HR)								
HR	Non-HRP	Mnths 2 - 7	Decrease	USD	800	800	750	750
HR	HRP	Mnths 2 - 7	Decrease	USD	880	800	825	750
HR	Non-HRP	Mnth 1	Decrease	USD	800	800	750	750
HR	HRP	Mnth 1	Decrease	USD	880	800	825	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
GAS E-BOB NON-OXY VS NAPH CIF BALMO (MCN)								
MCN	Non-HRP	Mnth 1	Increase	USD	28,500	28,500	34,000	34,000
MCN	HRP	Mnth 1	Increase	USD	31,350	28,500	37,400	34,000
NY BUCKEYE JET FUEL V. NY HR BALMO (JTB)								
JTB	Non-HRP		Decrease	USD	7,500	7,500	4,000	4,000
JTB	HRP		Decrease	USD	8,250	7,500	4,400	4,000
REAL ESTATE - Outright Rates								
BOSTON CSI HOUSING INDEX FUTURES (BOS)								
BOS	Non-HRP		Increase	USD	1,900	1,900	2,250	2,250
BOS	HRP		Increase	USD	2,090	1,900	2,475	2,250
LAS VEGAS CSI HOUSING INDEX FUTURES (LAV)								
LAV	Non-HRP		Increase	USD	1,750	1,750	2,000	2,000
LAV	HRP		Increase	USD	1,925	1,750	2,200	2,000
MIAMI CSI HOUSING INDEX FUTURES (MIA)								
MIA	Non-HRP		Increase	USD	2,500	2,500	2,750	2,750
MIA	HRP		Increase	USD	2,750	2,500	3,025	2,750
NEW YORK CSI HOUSING INDEX FUTURES (NYM)								
NYM	Non-HRP		Increase	USD	1,800	1,800	2,000	2,000
NYM	HRP		Increase	USD	1,980	1,800	2,200	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
REFINED PRODUCTS - Outright Rates								
EAST-WEST FUEL OIL PLT BALMO FUT (EWB)								
EWB	Non-HRP		Increase	USD	13,000	13,000	17,000	17,000
EWB	HRP		Increase	USD	14,300	13,000	18,700	17,000
EUR 1% FUEL OIL FOB RDM BALMO FUT (6L)								
6L	Non-HRP		Increase	USD	45,000	45,000	55,000	55,000
6L	HRP		Increase	USD	49,500	45,000	60,500	55,000
GASOIL0.1%BRGS FOB ARA(PLATTS)BALMO (B8)								
B8	Non-HRP		Decrease	USD	90,000	90,000	75,000	75,000
B8	HRP		Decrease	USD	99,000	90,000	82,500	75,000
MINI EUR1%FUELOIL FOB RDM BALMO FUT (0A)								
0A	Non-HRP		Increase	USD	4,500	4,500	5,500	5,500
0A	HRP		Increase	USD	4,950	4,500	6,050	5,500
NY HARBOR 1% FUEL OIL BALMO (VK)								
VK	Non-HRP	Tier 1	Increase	USD	7,000	7,000	7,500	7,500
VK	HRP	Tier 1	Increase	USD	7,700	7,000	8,250	7,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Intra Spreads

CRUDE OIL SPREADS - Intra Spreads

(WTI HOUSTON VS WTI MID TRADE SYNTH)								
LHS	Non-HRP		New	USD			180	180
LHS	Non-HRP		New	USD			190	190
LHS	Non-HRP		New	USD			200	200
LHS	Non-HRP		New	USD			210	210
LHS	Non-HRP		New	USD			240	240
LHS	Non-HRP		New	USD			245	245
LHS	Non-HRP		New	USD			290	290
LHS	HRP		New	USD			198	180
LHS	HRP		New	USD			209	190
LHS	HRP		New	USD			220	200
LHS	HRP		New	USD			231	210
LHS	HRP		New	USD			264	240
LHS	HRP		New	USD			270	245
LHS	HRP		New	USD			319	290

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
EQUITY INDEX - Intra Spreads								
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (EFFR) INDEX FUTURE - Months 11+ vs 11+ (ADJ INT RATE S&P500 TOTAL RET EFFR)								
ASR	Non-HRP		Increase	USD	350	350	500	500
ASR	HRP		Increase	USD	385	350	550	500
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (EFFR) INDEX FUTURE - Months 11+ vs 11+ (BTIC ON ADJ IR S&P500 TOT RET EFFR)								
AST	Non-HRP		Increase	USD	350	350	500	500
AST	HRP		Increase	USD	385	350	550	500
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (EFFR) INDEX FUTURE - Months 1-10 vs 11+ (ADJ INT RATE S&P500 TOTAL RET EFFR)								
ASR	Non-HRP		Increase	USD	350	350	500	500
ASR	HRP		Increase	USD	385	350	550	500
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (EFFR) INDEX FUTURE - Months 1-10 vs 11+ (BTIC ON ADJ IR S&P500 TOT RET EFFR)								
AST	Non-HRP		Increase	USD	350	350	500	500
AST	HRP		Increase	USD	385	350	550	500
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES - Month 1-10 vs 1-10 (ADJ INT RATE S&P500 MARKER)								
ASPM	Non-HRP		New	USD			350	350
ASPM	HRP		New	USD			385	350
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES - Month 1-10 vs 1-10 (AIR S&P 500 TOTAL RETURN (SOFR) FUT)								
ASPR	Non-HRP		New	USD			350	350
ASPR	HRP		New	USD			385	350
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES - Month 1-10 vs 1-10 (BTIC ON ADJ IR S&P 500 TR SOFR)								
ASPT	Non-HRP		New	USD			350	350
ASPT	HRP		New	USD			385	350

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES - Months 11+ vs 11+ (ADJ INT RATE S&P500 MARKER)								
ASPM	Non-HRP		New	USD			500	500
ASPM	HRP		New	USD			550	500
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES - Months 11+ vs 11+ (AIR S&P 500 TOTAL RETURN (SOFR) FUT)								
ASPR	Non-HRP		New	USD			500	500
ASPR	HRP		New	USD			550	500
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES - Months 11+ vs 11+ (BTIC ON ADJ IR S&P 500 TR SOFR)								
ASPT	Non-HRP		New	USD			500	500
ASPT	HRP		New	USD			550	500
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES - Months 1-10 vs 11+ (ADJ INT RATE S&P500 MARKER)								
ASPM	Non-HRP		New	USD			500	500
ASPM	HRP		New	USD			550	500
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES - Months 1-10 vs 11+ (AIR S&P 500 TOTAL RETURN (SOFR) FUT)								
ASPR	Non-HRP		New	USD			500	500
ASPR	HRP		New	USD			550	500
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES - Months 1-10 vs 11+ (BTIC ON ADJ IR S&P 500 TR SOFR)								
ASPT	Non-HRP		New	USD			500	500
ASPT	HRP		New	USD			550	500
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
(GAS E-BOB NON-OXY VS NAPH CIF BALMO)								
MCN	Non-HRP		Decrease	USD	19,200	19,200	13,700	13,700
MCN	HRP		Decrease	USD	21,120	19,200	15,070	13,700
REAL ESTATE - Intra Spreads								
Las Vegas Housing Index (LAV) - All Months (LAS VEGAS CSI HOUSING INDEX FUTURES)								
LAV	Non-HRP		Increase	USD	1,375	1,375	1,500	1,500
LAV	HRP		Increase	USD	1,513	1,375	1,650	1,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL SPREADS - Inter-commodity Spread Rates						
WTT1 v HTT1						
Spread Credit Rate	New	+1:-1			90%	90%
WTT1 v HTT2						
Spread Credit Rate	New	+1:-1			80%	80%
WTT2 v HTT1						
Spread Credit Rate	New	+1:+1			80%	80%
WTT2 v HTT2						
Spread Credit Rate	New	+1:-1			85%	85%
EQUITY INDEX - Inter-commodity Spread Rates						
ADJUSTED INTEREST RATE NASDAQ-100 TOTAL RETURN FUTURES (AQR - CME) vs ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME)						
Spread Credit Rate	New	+3:-2			80%	80%
ADJUSTED INTEREST RATE RUSSELL 1000 TOTAL RETURN FUTURES (ARR - CME) vs ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME)						
Spread Credit Rate	New	+2:-3			75%	75%
ADJUSTED INTEREST RATE RUSSELL 2000 TOTAL RETURN FUTURES (A2R - CME) vs ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME)						
Spread Credit Rate	New	+2:-1			70%	70%
Adjusted Interest Rate S&P 500 Total (SOFR) Return (ASPR-CME) vs. E-mini S&P Oil & Gas Exploration & Production Select Industry (SXO-CME)						
Spread Credit Rate	New	+1:-2			60%	60%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES (ASPR - CME) vs ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (EFFR) FUTURE (ASR - CME) (2vs2)						
Spread Credit Rate	New	+1:-1			96%	96%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES (ASPR - CME) vs ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (EFFR) FUTURE (ASR - CME) (1vs1)						
Spread Credit Rate	New	+1:-1			98%	98%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES (ASPR - CME) vs ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (EFFR) FUTURE (ASR - CME) (1vs2)						
Spread Credit Rate	New	+1:-1			90%	90%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES (ASPR - CME) vs ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (EFFR) FUTURE (ASR - CME) (2vs1)						
Spread Credit Rate	New	+1:-1			90%	90%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES (ASPR - CME) vs S&P 500 (SP - CME) (1vs2)						
Spread Credit Rate	New	+5:-1			90%	90%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES (ASPR - CME) vs S&P 500 (SP - CME) (2vs1)						
Spread Credit Rate	New	+5:-1			90%	90%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES (ASPR - CME) vs S&P 500 (SP - CME) (2vs2)						
Spread Credit Rate	New	+5:-1			96%	96%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES (ASPR - CME) vs S&P 500 (SP-CME) (1vs1)						
Spread Credit Rate	New	+5:-1			98%	98%
Adjusted Interest Rate S&P 500 Total Return (SOFR) Index (ASPR-CME) vs. E-mini S&P Biotechnology Select Industry (SXT-CME)						
Spread Credit Rate	New	+1:-3			55%	55%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs E-MINI RUSSELL 2000 INDEX FUTURES (RTY - CME)						
Spread Credit Rate	New	+1:-2			70%	70%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs E-MINI S&P MIDCAP 400 (ME - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs NIKKEI 225 YEN-BASED (N1 - CME)						
Spread Credit Rate	New	+1:-2			65%	65%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs S&P 500 GROWTH (SG - CME)						
Spread Credit Rate	New	+3:-1			80%	80%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs S&P SELECT SECTOR - COMMUNICATION SERVICES (XAZ - CME)						
Spread Credit Rate	New	+1:-2			70%	70%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs S&P SELECT SECTOR - CONSUMER STAPLES (XAP - CME)						
Spread Credit Rate	New	+1:-3			70%	70%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs S&P SELECT SECTOR - ENERGY (XAE - CME)						
Spread Credit Rate	New	+2:-5			65%	65%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs S&P SELECT SECTOR - FINANCIAL (XAF - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-2			75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs S&P SELECT SECTOR - HEALTH CARE (XAV - CME)						
Spread Credit Rate	New	+1:-2			65%	65%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs S&P SELECT SECTOR - INDUSTRIAL (XAI - CME)						
Spread Credit Rate	New	+1:-2			75%	75%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX FUTURE (ASPR - CME) vs YEN DENOMINATED TOPIX FUTURE (TPY - CME)						
Spread Credit Rate	New	+1:-3			65%	65%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME) vs E-MINI DOW (\$5) FUTURES (YM - CME)						
Spread Credit Rate	New	+1:-1			80%	80%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME) vs E-MINI REAL ESTATE SELECT SECTOR FUTURES (XAR - CME)						
Spread Credit Rate	New	+1:-5			65%	65%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME) vs E-MINI RUSSELL 1000 GROWTH INDEX FUTURES (RSG - CME)						
Spread Credit Rate	New	+1:-2			80%	80%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME) vs NIKKEI 225 DOLLAR-BASED (NK - CME)						
Spread Credit Rate	New	+2:-3			65%	65%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME) vs S&P 500 TOTAL RETURN INDEX FUTURES (TRI - CME)						
Spread Credit Rate	New	+1:-1			80%	80%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME) vs S&P SELECT SECTOR - MATERIALS (XAB - CME)						
Spread Credit Rate	New	+1:-3			70%	70%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX (SOFR) FUTURE (ASPR - CME) vs S&P SELECT SECTOR - UTILITIES (XAU - CME)						
Spread Credit Rate	New	+1:-3			65%	65%
ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN INDEX FUTURE (ASR - CME) vs S&P 500 TOTAL RETURN INDEX FUTURES (TRI - CME)						
Spread Credit Rate	New	-1:+1			80%	80%
BLOOMBERG U.S. CORPORATE HIGH YIELD VERY LIQUID INDEX FUTURES (CME- HYB) vs Adjusted Interest Rate S&P 500 Total Return (SOFR) Futures (CME- ASPR)						
Spread Credit Rate	New	+3:-1			40%	40%
BLOOMBERG U.S. CORPORATE INVESTMENT GRADE DURATION-HEDGED INDEX FUTURES (CME- DHB) vs Adjusted Interest Rate S&P 500 Total Return (SOFR) Futures (CME- ASPR)						
Spread Credit Rate	New	+3:-1			25%	25%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Bloomberg U.S. Corporate Investment Grade Index Futures (CME- IQB) vs Adjusted Interest Rate S&P 500 Total Return (SOFR) Futures (CME- ASPR)						
Spread Credit Rate	New	+3:-1			35%	35%
S&P 500 EQUAL WEIGHT INDEX (EWF - CME) vs ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) INDEX (ASPR - CME)						
Spread Credit Rate	New	+1:-2			80%	80%
S&P INSURANCE SELECT INDUSTRY INDEX FUTURES (SXI - CME) vs ADJUSTED INTEREST RATE S&P 500 TOTAL RETURN (SOFR) FUTURES (ASPR - CME)						
Spread Credit Rate	New	+2:-1			60%	60%
S&P Regional Banks Select Industry Index (SXB-CME) vs Adjusted Interest Rate S&P Total Return Index (SOFR) Future (ASPR-CME)						
Spread Credit Rate	New	+3:-1			50%	50%
S&P Retail Select Industry Index (SXR-CME) vs Adjusted Interest Rate S&P 500 Total Return (SOFR) Index Futures (ASPR-CME)						
Spread Credit Rate	New	+3:-1			65%	65%
S&P SELECT INDUSTRY - PHLX SEMICONDUCTOR INDEX (SOX - CME) vs ADJUSTED INTEREST RATE S&P 50 TOTAL RETURN (SOFR) FUTURES (ASPR - CME)						
Spread Credit Rate	New	+3:-1			45%	45%
USD Denominated TOPIX Futures (TPD - CME) vs Adjusted Interest Rate S&P 500 Total Return (SOFR) Futures (ASPR - CME)						
Spread Credit Rate	New	+2:-1			65%	65%
INTEREST RATES - Inter-commodity Spread Rates						
BLOOMBERG U.S. CORPORATE HIGH YIELD VERY LIQUID INDEX FUTURES (CME- HYB) vs Adjusted Interest Rate S&P 500 Total Return (SOFR) Futures (CME- ASPR)						
Spread Credit Rate	New	+3:-1			40%	40%
BLOOMBERG U.S. CORPORATE INVESTMENT GRADE DURATION-HEDGED INDEX FUTURES (CME- DHB) vs Adjusted Interest Rate S&P 500 Total Return (SOFR) Futures (CME- ASPR)						
Spread Credit Rate	New	+3:-1			25%	25%
Bloomberg U.S. Corporate Investment Grade Index Futures (CME- IQB) vs Adjusted Interest Rate S&P 500 Total Return (SOFR) Futures (CME- ASPR)						
Spread Credit Rate	New	+3:-1			35%	35%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
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Short Option Minimum (SOM) Rate

CRUDE OIL SPREADS - Short Option Minimum (SOM) Rate

WTI HOUSTON VS WTI MIDLAND TRADE MONTH APO (LHN, LHS) - SOM

Clearing Member Rate		New			33.000	30.000
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SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						

CRUDE OIL SPREADS - Volatility Scan (volScan) Rate

WTI HOUSTON VS WTI MIDLAND TRADE MONTH APO (LHN, LHS) - volScan

Clearing Member Rate	Mnth 1	New				28.000%
Clearing Member Rate	Mnths 3-4	New				15.000%
Clearing Member Rate	Mnths 5-7	New				10.000%
Clearing Member Rate	Mnths 8-15	New				10.000%
Clearing Member Rate	Mnths 16+	New				10.000%
Clearing Member Rate	Mnth 2	New				15.000%